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Part Number:

0749812502

Status:

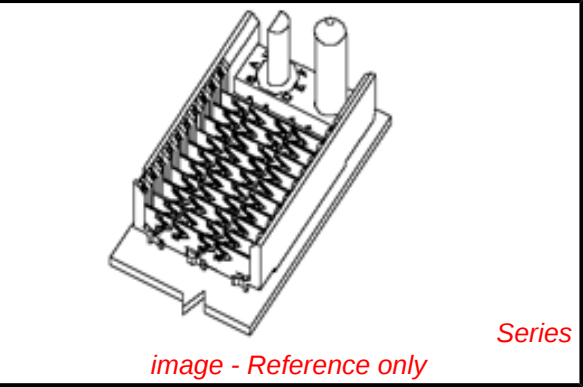
Active

Overview:

vhdm__hsd

Description:

2.00mm (.079") Pitch 6-Row VHDM-HSD™ Backplane Header, Guide Pin Signal Module, Shield End Version, 100 Circuits, Pin Length 6.25mm (.246")



Documents:

Drawing (PDF)

RoHS Certificate of Compliance (PDF)

Agency Certification	
CSA	LR19980
General	
Product Family	Backplane Connectors
Series	74981
Application	Backplane
Application Tooling Documents	Tooling Manual
Comments	No Keying Position
Component Type	PCB Header
Overview	vhdm__hsd
Product Name	VHDM-HSD™
Style	N/A
Physical	
Circuits (Loaded)	100
Circuits (maximum)	100
Color - Resin	Black
Durability (mating cycles max)	200
First Mate / Last Break	No
Flammability	94V-0
Guide to Mating Part	Yes
Keying to Mating Part	None
Material - Metal	Copper-Nickel-Silicon, High Performance Alloy (HPA), Stainless Steel
Material - Plating Mating	Gold
Material - Plating Termination	Tin-Lead
Material - Resin	High Temperature Thermoplastic
Number of Columns	25
Number of Pairs	Open Pin Field
Number of Rows	6
Orientation	Vertical
PCB Locator	No
PCB Retention	None
PCB Thickness Recommended (in)	0.070 In
PCB Thickness Recommended (mm)	1.80 mm
Packaging Type	Tube
Pitch - Mating Interface (in)	0.079 In
Pitch - Mating Interface (mm)	2.00 mm
Pitch - Term. Interface (in)	0.079 In
Pitch - Term. Interface (mm)	2.00 mm
Plating min: Mating (µin)	30
Plating min: Mating (µm)	0.75
Plating min: Termination (µin)	30
Plating min: Termination (µm)	0.75
Polarized to PCB	Yes

EU RoHS

China RoHS

Compliance Status

Not Reviewed

REACH SVHC

Not Reviewed

Halogen-Free

Status

Not Reviewed

Need more information on product environmental compliance?

Email productcompliance@molex.com

For a multiple part number RoHS Certificate of Compliance, [click here](#)

Please visit the [Contact Us](#) section for any non-product compliance questions.

Search Parts in this Series

74981Series

Mates With

74880 VHDM\HSD Daughtercard

Use With

Daughtercard Modules

Application Tooling | FAQ

Tooling specifications and manuals are found by selecting the products below. Crimp Height Specifications are then contained in the Application Tooling Specification document.

Global

Description	Product #
VHDM® Signal Pin	0622015700
Insertor Repair Tool	
VHDM-HSD™ Signal Header, 6 Row by 25 Wide, 50.00mm (1.97")	0622020217

Stackable	Yes
Surface Mount Compatible (SMC)	Yes
Temperature Range - Operating	-55°C to +105°C
Termination Interface: Style	Through Hole - Compliant Pin

Electrical

Current - Maximum per Contact	1A
Data Rate	5.0 Gbps
Real Signals (per 25mm)	48
Shielded	No
Voltage - Maximum	120V AC (RMS)/DC

Material Info

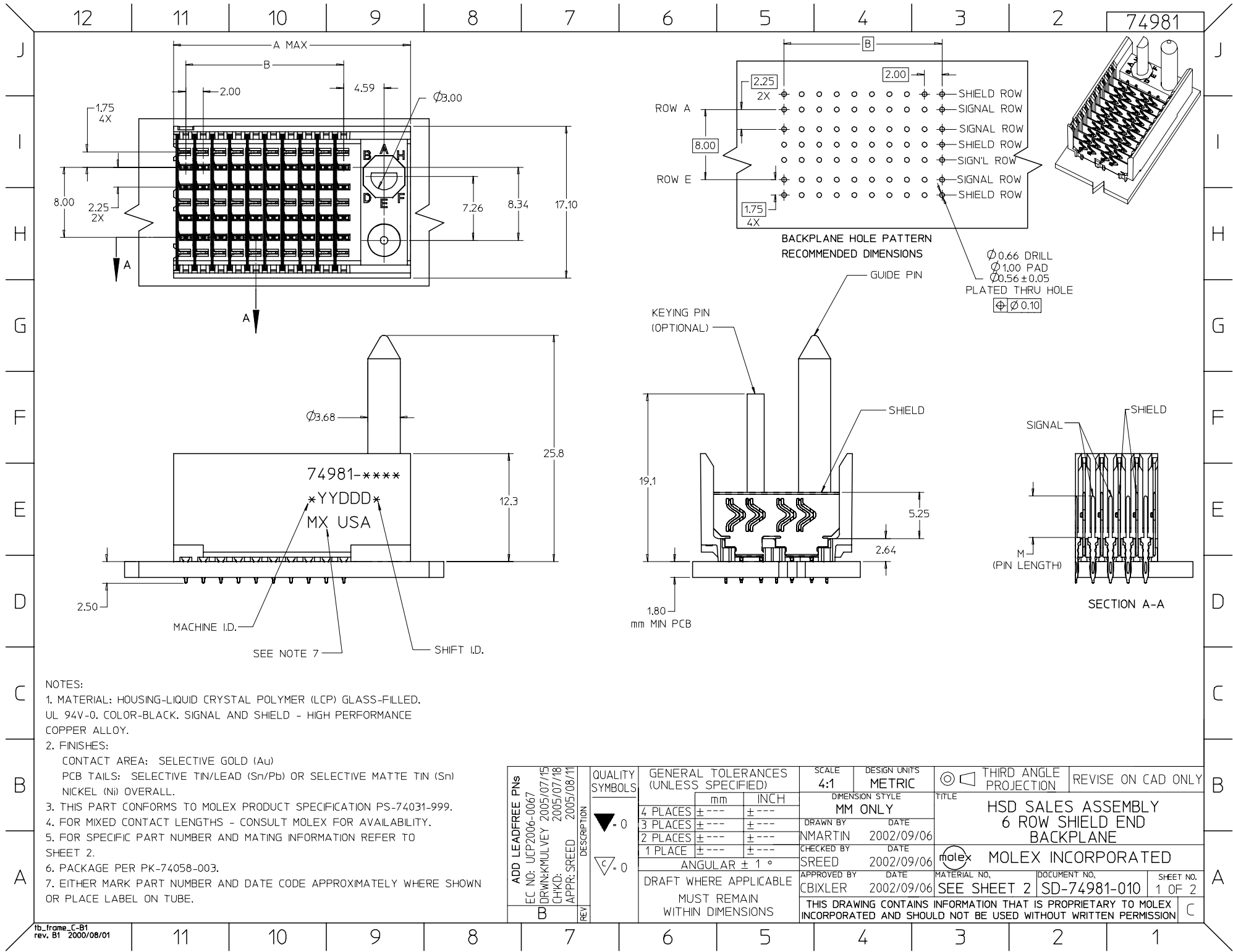
Reference - Drawing Numbers

Sales Drawing	SD-74981-010
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VHDM-HSD is a trademark of Amphenol Corporation

This document was generated on 05/28/2010

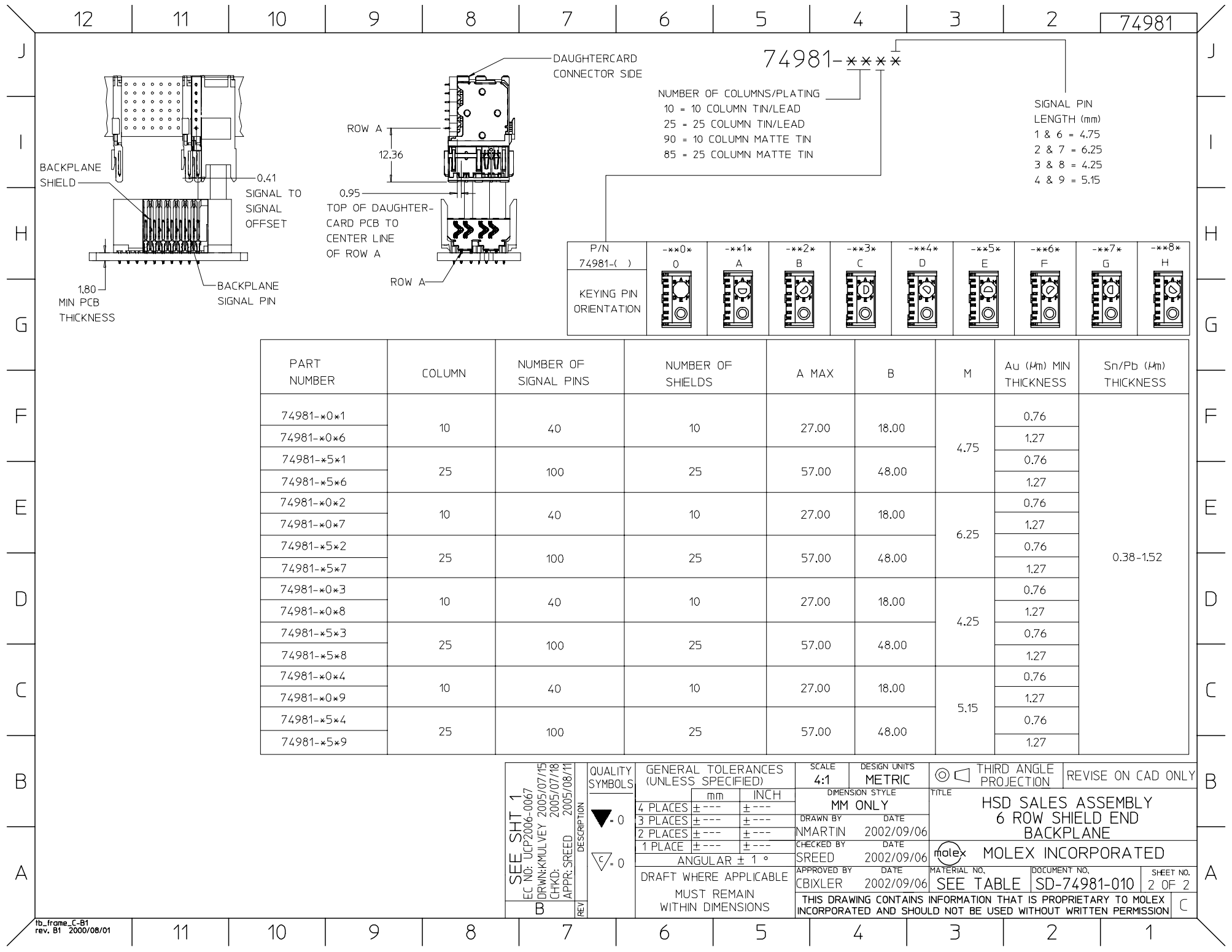
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NOTES:

1. MATERIAL: HOUSING-LIQUID CRYSTAL POLYMER (LCP) GLASS-FILLED. UL 94V-0. COLOR-BLACK. SIGNAL AND SHIELD - HIGH PERFORMANCE COPPER ALLOY.
2. FINISHES:
 - CONTACT AREA: SELECTIVE GOLD (Au)
 - PCB TAILS: SELECTIVE TIN/LEAD (Sn/Pb) OR SELECTIVE MATTE TIN (Sn) NICKEL (Ni) OVERALL.
3. THIS PART CONFORMS TO MOLEX PRODUCT SPECIFICATION PS-74031-999.
4. FOR MIXED CONTACT LENGTHS - CONSULT MOLEX FOR AVAILABILITY.
5. FOR SPECIFIC PART NUMBER AND MATING INFORMATION REFER TO SHEET 2.
6. PACKAGE PER PK-74058-003.
7. EITHER MARK PART NUMBER AND DATE CODE APPROXIMATELY WHERE SHOWN OR PLACE LABEL ON TUBE.

ADD LEADFREE PNs EC NO: UCP2006-0067 DRWN: KMULVEY 2005/07/15 CHKD: 2005/07/18 APPR: SREED 2005/08/11	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		SCALE 4:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	REVISE ON CAD ONLY					
					DIMENSION STYLE			TITLE					
					MM ONLY			HSD SALES ASSEMBLY 6 ROW SHIELD END BACKPLANE					
			4 PLACES ± --- ± ---		DRAWN BY			DATE					
			3 PLACES ± --- ± ---		NMARTIN			2002/09/06					
			2 PLACES ± --- ± ---		CHECKED BY			DATE					
			1 PLACE ± --- ± ---		SREED			2002/09/06		 MOLEX INCORPORATED			
			ANGULAR ± 1 °		APPROVED BY			DATE		MATERIAL NO.		DOCUMENT NO.	SHEET NO.
					CBIXLER			2002/09/06		SEE SHEET 2		SD-74981-010	1 OF 2
			DRAFT WHERE APPLICABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								C
MUST REMAIN WITHIN DIMENSIONS													



SEE SHT 1

EC NO: UCP2006-0067

DRWN: KMULVEY 2005/07/15

CHKD: 2005/07/18

APPR: SREED 2005/08/11

QUALITY SYMBOLS

DESCRIPTION

REV

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± .005	± .0004
3 PLACES	± .008	± .0005
2 PLACES	± .010	± .0006
1 PLACE	± .015	± .0009

ANGULAR ± 1 °

DRAFT WHERE APPLICABLE

MUST REMAIN WITHIN DIMENSIONS

SCALE 4:1

DESIGN UNITS METRIC

DIMENSION STYLE MM ONLY

DRAWN BY NMARTIN

DATE 2002/09/06

CHECKED BY SREED

DATE 2002/09/06

APPROVED BY CBIXLER

DATE 2002/09/06

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THIRD ANGLE PROJECTION

REVISE ON CAD ONLY

TITLE

HSD SALES ASSEMBLY

6 ROW SHIELD END

BACKPLANE

MOLEX INCORPORATED

MATERIAL NO. SEE TABLE

DOCUMENT NO. SD-74981-010

SHEET NO. 2 OF 2